

## Critical Analysis Team Report

### CAT Report #31

12 September 2002

The Critical Analysis Team (CAT) received Silos Project updates during the week of September 9, 2002. The CAT's activities this week were primarily focused on 'catching up.' This report briefly documents the CAT's findings from this week.

### Accelerated Waste Retrieval

- The readiness assessment and turnover activities for the Radon Control System appear to be well planned and ready for execution. Checklists are developed and ready for implementation.
- The CAT was encouraged by the development of the Silos Project Execution Plan as well as the plans for a QA audit of the RCS Phase I project. The CAT repeats its earlier recommendation of a Silos Project QA audit for compliance with the Engineering Execution Plan.
- The CAT toured the construction sites for RCS, Tank Transfer Area, and Silo 4 re-enforcement. The tour (led by Bruce Schweitzer) revealed large numbers of workers from several subcontractors maintaining a safe, clean work site despite very limited space.

Fluor Fernald is managing the construction site well. As construction activities increase and intensify, integrating work among the many subcontractors and maintaining a safe, orderly work area presents significant management challenges.

In addition to the positive construction work, the CAT observed the removal of the Silo 3 interim storage pad that was poured under the RMRS Silo 3 contract.

- According to the AWR schedule the CAT reviewed, it appears that several activities are falling behind schedule (e.g. TTA construction, TTA metal construction, deck package, building fabrication). Actions should be taken to hold or regain the schedule slippage.

### Silo 1 and 2

- It appears the project is taking the appropriate approach to testing of Silo 1 and 2 systems. This includes both testing activities that involve EM-50 support and

subcontractor (Duratec) support. Maintaining control over the tests and ensuring focus on value-added endpoints is a positive approach that will produce useful results.

- The CAT is pleased the project appears to be moving ahead aggressively with procurement and construction.
- The project should be planning on the Nevada Test Site as the primary disposal facility. Envirocare could be considered as a secondary option pending resolution of its waste acceptance issues.
- Vendor responses are indicating the importance of developing a well-thought out specification. The CAT has commented in the past on overly general specifications, particularly in the area of codes and standards. Several vendors have also requested clarification on this issue.

### **Proposed Future CAT activities**

- Silo 3 packaging and handling system design review, mock-up test plan review, and mock-up test review (winter, 2003).
- Silo 3 Excavator design review, mock-up test plan review, and mock-up test review (winter, 2003).
- Silo 3 Vacuum Wand Management System design criteria review, design review, and mock-up test plan review, and mock-up test review (winter, 2003).
- AWR Mechanical Package design review (late October, early November). This package was originally due September 17, however, the CAT agreed the project should delay its issuance to incorporate vendor design packages resulting in a more complete Mechanical package).
- Silo 1 and 2 cold test and hot test loop review (March, 2003). The CAT will attend at least one of these tests depending on the future data development and travel schedules.
- Silo 1 and 2 integrated test plan (October, 2002) and integrated test review (CAT attendance for a portion of the April 17, 2003 through May 21, 2003 test).